

SECONDARY 4 CHEMISTRY

Lab Requisition

Name of experiment: **2024 Secondary 4 Preliminary Examination**

Please specify (teacher's demo/individual/pair/group work): **Individual Work**

No.	apparatus (please indicate size)	quantity (per std)	remarks*
1	50 cm ³ burette with tap	1	
2	Filter funnel	1	
3	Retort stand	1	
4	Butterfly clamp	1	
5	Styrofoam cup	1	
6	250 cm ³ beaker	2	1 Labelled "Waste"
7	Thermometer	1	
8	50 cm ³ measuring cylinder	1	
9	Electronic balance		2 per lab
10	Stopwatch	1	
11	250 cm ³ conical flask	1	
12	Test tube	5	
13	Test tube holder	1	
14	Test tube rack	1	
15	Deionised water	1	
16	Paper towel	1	
17	Litmus paper	1 set	
18	wooden splint	1	
19	delivery tube	1	

Note for remarks: Please state if apparatus should be dry, glass apparatus should be used, etc.

No.	chemicals	concentration	quantity (per std)	remarks*
1	dilute sulfuric acid (Label as P)	0.5 M	250 cm ³	
2	aqueous sodium hydroxide (Label as Q)	1 M	250 cm ³	
3	Copper(II) carbonate : sodium chloride (Labelled: A)	–	3.00g	Mix in 75%:25% ratio by mass then weigh out *Follow O Level variation
4	aluminium foil	–	1	1cm x 1cm
	Copper(II) nitrate and ammonium sulfate dissolved in water (Labelled: X)	1 M	30 cm ³	Make 1 M solution of each chemical then mix in 75%:25% ratio
5	Copper(II) nitrate and ammonium chloride dissolved in water (Labelled: Y)	1 M	30 cm ³	Make 1 M solution of each chemical then mix in 75%:25% ratio
6	aqueous silver nitrate	0.05M		Standard bench reagent
7	aqueous sodium hydroxide	1 M		Standard bench reagent
	aqueous barium nitrate	0.05M		Standard bench reagent
	aqueous potassium iodide	0.05M		Standard bench reagent
8	aqueous ammonia	1 M		Standard bench reagent
9	dilute nitric acid	1 M	Likely will need to top up	Standard bench reagent
10	dilute sulfuric acid	0.5 M		Standard bench reagent
11	limewater			Standard bench reagent

Note for remarks: Please state if chemicals should be bottled, packed or weighed beforehand. Also, if the chemicals need to be freshly prepared, etc.